

Figure 1A

>4304443inh AGTATACATT CTTTATTAAT CATTGGCTT CCAACCCAT TTAGCCTGCC
>4304443H1 GTATACATT CTTTATTAAT CATTGGCTT CCAACCCAT TTAGCCTGCC
Consensus AGTATACATT CTTTATTAAT CATTGGCTT CCAACCCAT TTAGCCTGCC

>4304443inh ATTGAAATGC AAAAGTCTGT TCCAAATAAA GCCTTCCAAT TGAAGAATGA
>4304443H1 ATTGAAATGC AAAAGTCTGT TCCAAATAAA GCCTTCCAAT TGAAGAATGA
>3040232H1 GAAATGC AAAAGTCTGT TCCAAATAAA GCCTTCCAAT TGAAGAATGA
Consensus ATTGAAATGC AAAAGTCTGT TCCAAATAAA GCCTTCCAAT TGAAGAATGA

>4304443inh ACAAACATTG AGAGCAGATG AGATACTCCC ATCAGAATCC AAACAAAAGG
>4304443H1 ACAAACATTG AGAGCAGATG AGATACTCCC ATCAGAATCC AAACAAAAGG
>3040232H1 ACAAACATTG AGAGCAGATG AGATACTCCC ATCAGAATCC AAACAAAAGG
Consensus ACAAACATTG AGAGCAGATG AGATACTCCC ATCAGAATCC AAACAAAAGG

>4304443inh ACTATGAAGA AAGTTCTTGG GATTCTGAGA GTCTCTGTGA GACTGTTCA
>4304443H1 ACTATGAAGA AAGTTCTTGG GATTCTGAGA GTCTCTGTGA GACTGTTCA
>3040232H1 ACTATGAAGA AAGTTCTTGG GATTCTGAGA GTCTCTGTGA GACTGTTCA
Consensus ACTATGAAGA AAGTTCTTGG GATTCTGAGA GTCTCTGTGA GACTGTTCA

>4304443inh CAGAAGGATG TGTGTTTACC CAAGGCTGCG CATCAAAAG AAATAGATAAA
>4304443H1 CAGAAGGATG TGTGTTTACC CAAGGCTGCG CATCAAAAG AAATAGATAAA
>3040232H1 CAGAAGGATG TGTGTTTACC CAAGGCTGCG CATCAAAAG AAATAGATAAA
Consensus CAGAAGGATG TGTGTTTACC CAAGGCTGCG CATCAAAAG AAATAGATAAA

>4304443inh AATAAATGGA AAATTAGAAG GGTCTCCTGT TAAAGATGGT CTTCTGAAGG
>4304443H1 AATAAATGGA AAATTAGAAG GGTCTCCTGT TAAAGATGGT CTTCTGAAGG
>3040232H1 AATAAATGGA AAATTAGAAG GGTCTCCTGT TAAAGATGGT CTTCTGAAGG
Consensus AATAAATGGA AAATTAGAAG GGTCTCCTGT TAAAGATGGT CTTCTGAAGG

>4304443inh CTAAC TGCGG AATGAAAGTT TCTATTCCAA CTAAAGCCTT AGAATTGATG
>3040232H1 CTAAC TGCGG AATGAAAGTT TCTATTCCAA C
Consensus CTAAC TGCGG AATGAAAGTT TCTATTCCAA CTAAAGCCTT AGAATTGATG

>4304443inh GACATGCAAA CTTTCAAAGC AGAGCCTCCC GAGAAGCCAT CTGCCTTCGA
Consensus GACATGCAAA CTTTCAAAGC AGAGCCTCCC GAGAAGCCAT CTGCCTTCGA

>4304443inh GCCTGCCATT GAAATGCAAA AGTCTGTTCC AAATAAAGCC TTGGAATTGA
Consensus GCCTGCCATT GAAATGCAAA AGTCTGTTCC AAATAAAGCC TTGGAATTGA

>4304443inh AGAATGAACA AACATTGAGA GCAGATGAGA TACTCCCATC AGAATCCAAA
Consensus AGAATGAACA AACATTGAGA GCAGATGAGA TACTCCCATC AGAATCCAAA

>4304443inh CAAAAGGACT ATGAAGAAAG TTCTTGGGAT TCTGAGAGTC TCTGTGAGAC
Consensus CAAAAGGACT ATGAAGAAAG TTCTTGGGAT TCTGAGAGTC TCTGTGAGAC

>4304443inh TGTTTCACAG AAGGATGTGT GTTTACCCAA GGCTACACAT CAAAAAGAAA
Consensus TGTTTCACAG AAGGATGTGT GTTTACCCAA GGCTACACAT CAAAAAGAAA

>4304443inh TAGATAAAAT AAATGGAAAA TTAGAAGAGT CTCTGATAA TGATGGTTTT
Consensus TAGATAAAAT AAATGGAAAA TTAGAAGAGT CTCTGATAA TGATGGTTTT

Figure 1B

>4304443inh
Consensus CTGAAGGCTC CCTGCAGAAT GAAAGTTCT ATTCCAAC TAAGCCTTAGA
CTGAAGGCTC CCTGCAGAAT GAAAGTTCT ATTCCAAC TAAGCCTTAGA

>4304443inh
Consensus ATTGATGGAC ATGCAAAC TTCAAAAGCAGA GCCTCCCGAG AAGCCATCTG
ATTGATGGAC ATGCAAAC TTCAAAAGCAGA GCCTCCCGAG AAGCCATCTG

>4304443inh
Consensus CCTTCGAGCC TGCCATTGAA ATGCAAAGT CTGTTCCAAA TAAAGCCTTG
CCTTCGAGCC TGCCATTGAA ATGCAAAGT CTGTTCCAAA TAAAGCCTTG

>4304443inh
<3790941H1
>3424294H1
Consensus GAATTGAAGA ATGAACAAAC ATTGAGAGCA GATCAGATGT TCCCTTCAGA
TCCCTTCAGA
CAGA
GAATTGAAGA ATGAACAAAC ATTGAGAGCA GATCAGATGT TCCCTTCAGA

>4304443inh
<3790941H1
>3424294H1
Consensus ATCAAAACAA AAGAACGTTG AAGAAAATTCTTGGGATTCT GAGAGTCCTC
ATCAAAACNA AAGAAGGTTG :AGAAAATTCTTGGGATTCT GAGAGTCCTC
ATCAAAACAA AAGAAGGTTG AAGAAAATTCTTGGGATTCT GAGAGTCCTC
ATCAAAACAA AAGAAGGTTG AAGAAAATTCTTGGGATTCT GAGAGTCCTC

>4304443inh
<3790941H1
>3424294H1
Consensus GTGAGACTGT TTCACAGAAG GATGTGTGTG TACCCAAGGC TACACATCAA
GTGAGACTGT TTCACAGAAG GATGTGTGTG TACCCAAGGC TACACATCAA
GTGAGACTGT TTCACAGAAG GATGTGTGTG TACCCAAGGC TACACATCAA
GTGAGACTGT TTCACAGAAG GATGTGTGTG TACCCAAGGC TACACATCAA

>4304443inh
<3790941H1
>3424294H1
Consensus AAAGAAATGG ATAAAATAAG TGAAAATTAA GAAGATTCAA CTAGCCTATC
AAAGAAATGG ATAAAATAAG TGAAAATTAA GAAGATTCAA CTAGCCTATC
AAAGAAATGG ATAAAATAAG TGAAAATTAA GAAGATTCAA CTAGCCTATC
AAAGAAATGG ATAAAATAAG TGAAAATTAA GAAGATTCAA CTAGCCTATC

>4304443inh
<3790941H1
>3424294H1
Consensus AAAATCTTG GATACAATTCTTGTGA AAGAGCAAGG GAACTTCAAA
AAAATCTTG GATACAGTTCTTGTGA AAGAGCAAGG GAACTTCAAA
AAAATCTTG GATACAGTTCTTGTGA AAGAGCAAGG GAACTTCAAA
AAAATCTTG GATACAGTTCTTGTGA AAGAGCAAGG GAACTTCAAA

>4304443inh
<3790941H1
>3424294H1
Consensus AAGATCACTG TGAACAATGT ACAGGAAAAA TGGAACAAAT GAAAAAGAAG
AAGATCACTG TGAACAACGT ACAGGAAAAA TGGAACAAAT GAAAAAGAAG
AAGATCACTG TGAACAACGT ACAGGAAAAA TGGAACAAAT GANA
AAGATCACTG TGAACAACGT ACAGGAAAAA TGGAACAAAT GAAAAAGAAG

>4304443inh
<3790941H1
Consensus TTTTGTGTAC TGAAAAAGAA ACTGTCAGAA GCAAAAGAAA TAAAATCACA
TTTTGTGTAC TGAAAAAGAA ACTGTCAGAA GCAAAA
TTTTGTGTAC TGAAAAAGAA ACTGTCAGAA GCAAAAGAAA TAAAATCACA

>4304443inh
>2741038H1
Consensus GTTAGAGAAC CAAAAAGTTA AATGGGAACA AGAGCTCTGC AGTGTGAGGT
GNGCTCTGC NGTGTGAGGN
GTTAGAGAAC CAAAAAGTTA AATGGGAACA AGAGCTCTGC AGTGTGAGGT

Figure 1C

>4304443inh TTCTCACACT CATGAAAATG AAAATTATCT CTTACATGAA AATTGCATGT
>2741038H1 TTCTCACACT CATGANAATN AAAATNATCT CTTACATGAN AATTGCATGT
Consensus TTCTCACACT CATGAAAATG AAAATTATCT CTTACATGAA AATTGCATGT

>4304443inh TGAAAAAGGA AATTGCCATG CTAAAAAGTGG AAATAGCCAC ACTGAAACAC
>2741038H1 TGAAAAAGGA AATTGCCATG CTAAAAAGTGG AAATAGCCAC ACTGAAACAC
Consensus TGAAAAAGGA AATTGCCATG CTAAAAAGTGG AAATAGCCAC ACTGAAACAC

>4304443inh CAATACCAGG AAAAGGAAAA TAAATACTTT GAGGACATTA AGATTTAAA
>2741038H1 CAATACCAGG AAAAGGAAAA TAAATACTTT GAGGACATTA AGATTTAAA
Consensus CAATACCAGG AAAAGGAAAA TAAATACTTT GAGGACATTA AGATTTAAA

>4304443inh AGAAAAGAAT GCTGAACCTTC AGATGACCCCT AAAACTGAAA GAGGAATCAT
>2741038H1 AGAAAAGAAT GCTGAACCTTC AGATGACCCCT AAAACTGAAA GAGGAATCAT
Consensus AGAAAAGAAT GCTGAACCTTC AGATGACCCCT AAAACTGAAA GAGGAATCAT

>4304443inh TAACTAAAAG GGCATCTCAA TATAGTGGGC AGCTTAAAGT TCTGATAGCT
>2741038H1 TAACTAAAAG GGCATCTCAA TATAGTGGGC AGCTTAAAGT TCTGATAGCT
Consensus TAACTAAAAG GGCATCTCAA TATAGTGGGC AGCTTAAAGT TCTGATAGCT

>4304443inh GAGAACACAA TGCTCACTTC TAAATTGAAG GAAAAACAAG ACAAAAGAAAT
Consensus GAGAACACAA TGCTCACTTC TAAATTGAAG GAAAAACAAG ACAAAAGAAAT

>4304443inh ACTAGAGGCA GAAATTGAAT CACACCCTCC TAGACTGGCT TCTGCTGTAC
Consensus ACTAGAGGCA GAAATTGAAT CACACCCTCC TAGACTGGCT TCTGCTGTAC

>4304443inh AAGACCATGA TCAAATTGTG ACATCAAGAA AAAGTCAAGA ACCTGCTTT
>4302934H1 TTCAAGAA AAAGTCAAGA ACCTGCTTT
Consensus AAGACCATGA TCAAATTGTG ACWTCAAGAA AAAGTCAAGA ACCTGCTTT

>4304443inh CACATTGCAG GAGATGCTTG TTTGCAAAGA AAAATGAATG TTGATGTGAG
>4302934H1 CACATTGCAG GAGATGCTTG TTTGCAAAGA AAAATGAATG TTGATGTGAG
Consensus CACATTGCAG GAGATGCTTG TTTGCAAAGA AAAATGAATG TTGATGTGAG

>4304443inh TAGTACGATA TATAACAATG AGGTGCTCCA TCAACCACTT TCTGAAGCTC
>4302934H1 TAGTACGATA TATAACAATG AGGTGCTCCA TCAACCACTT TCTGAAGCTC
Consensus TAGTACGATA TATAACAATG AGGTGCTCCA TCAACCACTT TCTGAAGCTC

>4304443inh AAAGGAAATC CAAAAGCCTA AAAATTAATC TCAATTATGC AGGAGATGCT
>4302934H1 AAAGGAAATC CAAAAGCCTA AAAATTAATC TCAATTATGC CGGAGATGCT
Consensus AAAGGAAATC CAAAAGCCTA AAAATTAATC TCAATTATGC MGGAGATGCT

>4304443inh CTAAGAGAAA ATACATTGGT TTCAGAACAT GCACAAAGAG ACCAACGTGA
>4302934H1 CTAAGAGAAA ATACATTGGT TTCAGAACAT GCACAAAGAG ACCAACGTGA
Consensus CTAAGAGAAA ATACATTGGT TTCAGAACAT GCACAAAGAG ACCAACGTGA

>4304443inh AACACAGTGT CAAATGAAGG AAGCTGAACA CATGTATCAA AACGAACAAG
>4302934H1 AACACAGTGT CAAATGAAGG AAGCTGAACA CATGTATCAA AACGAACAAG
Consensus AACACAGTGT CAAATGAAGG AAGCTGAACA CATGTATCAA AACGAACAAG

Figure 1D

>4304443inh
Consensus ATAATGTGAA CAAACACACT GAACAGCAGG AGTCTCTAGA TCAGAAATTA
ATAATGTGAA CAAACACACT GAACAGCAGG AGTCTCTAGA TCAGAAATTA

>4304443inh
Consensus TTTCAACTAC AAAGCAAAAA TATGTGGCTT CAACAGCAAT TAGTTCATGC
TTTCAACTAC AAAGCAAAAA TATGTGGCTT CAACAGCAAT TAGTTCATGC

>4304443inh
Consensus ACATAAGAAA GCTGACAACA AAAGCAAGAT ACAATTGAT ATTCACTTTC
ACATAAGAAA GCTGACAACA AAAGCAAGAT ACAATTGAT ATTCACTTTC

>4304443inh
Consensus TTGAGAGGAA AATGCAACAT CATCTCCTAA AAGAGAAAAA TGAGGAGATA
TTGAGAGGAA AATGCAACAT CATCTCCTAA AAGAGAAAAA TGAGGAGATA

>4304443inh
Consensus TTTAATTACA ATAACCATT AAAAACCCT ATATATCAAT ATGAAAAAAGA
TTTAATTACA ATAACCATT AAAAACCCT ATATATCAAT ATGAAAAAAGA

>4304443inh
Consensus GAAAGCAGAA ACAGAAAACT CATGAGAGAC AAGCAGTAAG AAACCTCTT
GAAAGCAGAA ACAGAAAACT CATGAGAGAC AAGCAGTAAG AAACCTCTT

>4304443inh
Consensus TGGAGAAACA ACAGACCAGA TCTTTACTCA CAACTCATGC TAGGAGGCCA
TGGAGAAACA ACAGACCAGA TCTTTACTCA CAACTCATGC TAGGAGGCCA

>4304443inh
Consensus GTCCTAGCAT CACTTATGT TGAAAATCTT ACCAATAGTC TGTGTCAACA
GTCCTAGCAT CACTTATGT TGAAAATCTT ACCAATAGTC TGTGTCAACA

>4304443inh
Consensus GAATACTTAT TTTAGAAGAA AAATTCATGA TTTCTTCCTG AAGCCTACAG
GAATACTTAT TTTAGAAGAA AAATTCATGA TTTCTTCCTG AAGCCTACAG

>4304443inh
Consensus ACATAAAATA ACAGTGTGAA GAATTACTTG TTCACGAATC TCGCTCTGCA
ACATAAAATA ACAGTGTGAA GAATTACTTG TTCACGAATC TCGCTCTGCA

>4304443inh
>158545H1
Consensus CTCCAGCCTA GGCGCCTAGT GAAACCTGT GTCAAAAAGA AAAAACAAAA
 CCTA GGCGCCTAGT GAAACCTGT GTCAAAAAGA AAAAACAAAA
CTCCAGCCTA GGCGCCTAGT GAAACCTGT GTCAAAAAGA AAAAACAAAA

>4304443inh
>158545H1
Consensus AACAAACTTC CAAGACCTCG AGTGGTTTT GGAGACCCTG TATCACTTCA
ANCAAACCTTC CAAGACCTCG AGTGGTTTT GGAGACCCTG TATCACTTCA
AACAAACTTC CAAGACCTCG AGTGGTTTT GGAGACCCTG TATCACTTCA

>4304443inh
>158545H1
Consensus AATAATGTGT TAAACAAAGCA TCTTCATCTC ATTAAATAGA AATGTTGAAA
AATAATGTGT TAAACAAAGCA TCTTCATCTC ATTAAATAGA AATGTTGAAA
AATAATGTGT TAAACAAAGCA TCTTCATCTC ATTAAATAGA AATGTTGAAA

>4304443inh
>158545H1
Consensus AATTGCTTTT GGAATAATTG ACTTATGGAT ATTTCATCAA ATTTACAGTT
AATTGCTTTT GGAATAATTG ACTTATGGAT ATTTCATCAA ATTTACAGTT
AATTGCTTTT GGAATAATTG ACTTATGGAT ATTTCATCAA ATTTACAGTT

>4304443inh
>158545H1
Consensus GGCTATGCTT TCTTATTGTG CATACTATGA AATGTTTTTC TTCAAAAAGT
GGCTATGCTT TCTTATTGTG CATACTATGA AATGTTTTNN TTCAATT
GGCTATGCTT TCTTATTGTG CATACTATGA AATGTTTTTC TTCAWWAAGT

Figure 1E

>4304443inh	GTAAAGTTA AGAATGGGGT TGACAGCATT ATCTTTGTG
Consensus	GTAAAGTTA AGAATGGGGT TGACAGCATT ATCTTTGTG
>4304443inh	GTAAACATTTA CTAATTGTGC ATA
Consensus	GTAAACATTTA CTAATTGTGC ATA

Figure 2

